

What is claimed and desired to be secured by United States Letters Patent is:

1. A repair for soft tissue, the repair comprising:
a first anchor configured to engage the soft tissue and having longitudinal, lateral, and transverse directions substantially orthogonal to one another; and
a securement mechanism configured to transversely secure the anchor to the soft tissue and
abut the soft tissue against a surface.

2. The repair of claim 1, wherein the first anchor comprises a plate having teeth extending generally transversely from the plate and configured to penetrate the soft tissue to substantially prevent longitudinal motion between the first anchor and the soft tissue.

3. The repair of claim 2, wherein the plate includes a plurality of apertures formed therein.

4. The repair of claim 3, wherein the teeth are staggered in a lateral direction to engage the fibers of the soft tissue in a weaving pattern.

5. The repair of claim 4, wherein the securement mechanism comprises a suture.

6. The repair of claim 5, wherein the first anchor comprises a material selected from the group consisting of surgical steel, titanium, a metal alloy, a bio-absorbable material, a polymer, and a reinforced polymer.

7. The repair of claim 6, wherein selected apertures of the plurality of apertures comprise suture apertures for receiving a suture therethrough.

5 8. The repair of claim 7, wherein the teeth include barbs formed thereon, the barbs being configured to engage the fibers of the soft tissue to substantially restrict transverse motion between the first anchor and the soft tissue after penetration of the teeth into the soft tissue.

9. The repair of claim 8, wherein at least one of the suture apertures is configured to restrict transverse motion of a suture therethrough.
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10. The repair of claim 9, wherein the suture has a bulbous end to restrict transverse motion of the suture through the suture aperture.

11. The repair of claim 10, wherein the soft tissue comprises a first tendon having a severed cross sectional surface.
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12. The repair of claim 11, wherein the surface comprises a severed cross sectional surface of a second tendon.

20 13. The repair of claim 12, further comprising a second anchor configured to engage the soft tissue.

14. The repair of claim 13, wherein the severed cross sectional surface of the first tendon and the severed cross sectional surface of a second tendon are abutted by at least one suture secured to the first anchor and the second anchor.

5 15. The repair of claim 14, further comprising a graft tendon having a first end and a second end, wherein at least one suture secures the first anchor to the second anchor and maintains the severed cross sectional surface of the first tendon against the first end of the graft tendon and the severed cross sectional surface of the second tendon against the second end of the graft tendon.

10 16. The repair of claim 1, wherein the first anchor includes a plurality of apertures, wherein selected apertures are configured to be suture apertures for admitting a suture and other selected apertures are configured to allow nutrient fluids to contact the soft tissue below the first anchor.

15 17. The repair of claim 1, wherein the first anchor is made of a material selected from the group consisting of surgical steel, titanium, a metal alloy, a bio-absorbable material, a polymer, and a reinforced polymer.

20 18. The repair of claim 1, wherein the first anchor is configured to have a plurality of apertures, wherein selected apertures are configured to be suture apertures for restricting transverse motion of the suture therethrough.

19. The repair of claim 1, wherein:

the soft tissue is a first tendon having a first severed surface; and

the surface is a second tendon having a second severed surface.

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20. The repair of claim 1, wherein the soft tissue and the surface are dissimilar materials.

21. A method for repairing soft tissue, the method comprising:
providing an anchor having longitudinal, lateral, and transverse directions substantially
orthogonal to one another and configured to engage the soft tissue;
providing a first suture configured to transversely secure the anchor to the soft tissue; and
5 providing a second suture configured to engage the anchor and abut the soft tissue against
a surface thereby.

22. An implant comprising:

a plate having longitudinal, lateral, and transverse directions substantially orthogonal to one another;

the plate further having a plurality of apertures and a first and a second surface being defined
5 by the transverse direction;

selected apertures of the plurality of apertures being configured to receive sutures therethrough; and

a plurality of teeth extending generally transversely from the first surface of the plate.